PEP Testing Laboratory
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RF TEST REPORT

According to

ETSI EN 300328-1 : 2001

EUT Name	:	MIMO Wireless LAN ADSL2+Modem Router
Model No.	:	AR-7064Mg+
Applicant Name:	:	EDIMAX TECHNOLOGY CO., LTD.
Address	:	NO. 3, WU CHUAN 3RD ROAD, WU-KU INDUSTRIAL PARK, TAIPEI HSIEN, TAIWAN, R. O. C.

REVIEWED BY JASON KUNG

ISSUED DATE: : MAY 05, 2006

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TABLE OF CONTENTS

1. General 3
- 1.1 General Information
- 1.2 Place of Measurement
- 1.3 Test Standards

2. EUT Information 5
- 2.1 Technical Description
- 2.2 Test Items Summary Index

3. EUT Description 7

4. Modification 8

5. Test Program Used 8

6. Support Equipment Used 9

7. Effective Radiated Power Test 11
- 7.1 Test Result and Data

8. Peak Power Density Test 13

9. Frequency Range Test 14
- 9.1 Test Result and Data

10. Transmitter Spurious Emissions (Radiated) 17
- 10.1 Limit

11. Receiver Spurious Emissions (Radiated) 24
- 11.1 Limit

12. Annex 1 Photos of Test Configuration 31

13. Annex 2 Photographs of EUT 32

14. Annex 3 List of Test Instruments 33

1. General

1.1 General Information :

Applicant : EDIMAX TECHNOLOGY CO., LTD.

NO. 3, WU CHUAN 3RD ROAD, WU-KU INDUSTRIAL PARK, TAIPEI HSIEN, TAIWAN, R. O. C.

Manufacturer : EDIMAX TECHNOLOGY CO., LTD.

NO. 3, WU CHUAN 3RD ROAD, WU-KU INDUSTRIAL PARK, TAIPEI HSIEN, TAIWAN, R. O. C.

Measurement Uncertainty :

The uncertainty of the testing result is given as below. The method of uncertainty Calculation is provided in PEP Testing Lab document No. QP-T-28-B & QP-T-27-B

Frequency (MHz)	0.15 ～ 30	30 ～ 1000
Expanded Uncertainty μ_c	1.4 (dB)	2.84 (dB)

※ 95% Confidence Level; K=2

1.2 Place of Measurement

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NVLAP Lab Code: 200097-0
FCC Registration No. : 90868 / 101546
NEMKO Aut. No. : ELA133
BSMI Aut. No. : SL2-IN-E-11
VCCI Registration No. : C-493/R-477

1.3 Test Standards

ETSI EN 300 328-1: 2001 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2.4GHz ISM band and using spread spectrum modulation techniques;
Part 1: Technical characteristics and test conditions.

2. EUT Information

2.1 Technical Description :

a.	EUT Type:	MIMO Wireless LAN ADSL2+Modem Router
b.	Transmitter Model :	AR-7064Mg+
c.	TX Channel No.：	1 ~ 13 Channel
d.	TX Working Freq. :	2.4 GHz~2.4835 GHz
e.	TX Modulation：	DSSS (CCK)
f.	Crystal / Osc.：	52.992 MHz
g.	Port(s) ：	ADSL(RJ11) Port * 1, LAN1~LAN4(RJ45) Port * 4
h.	Antenna:	External Antenna (fixed) * 3
i.	Power Supply：	Adapter ----- Manufacturer：AHEAD Model No. : JAD-0901500E Input : AC 230V 50Hz 150mA Output : DC 9V 1500mA
j.	Case：	ABS
k.	Channel Operation :	Controlled by software
l.	EUT Condition :	☐ Prototype ☑ Engineering ☐ Production
m.	EUT Received Date :	APR. 06, 2006
n.	Date(s) of performance of test:	APR. 06, 2006– MAY 05, 2006

2.1 Test Item Summary Index:

EUT-Item	Test Items	Basic Standard	Sub-clause	Test Result
Tx	Effective Radiated Power	ETSI EN 300 328-1	5.2.1	Pass
Tx	Peak Power Destiny	ETSI EN 300 328-1	5.2.2	Pass
Tx	Frequency Range	ETSI EN 300 328-1	5.2.3	Pass
Tx+Rx	Spurious Emission (3m)	ETSI EN 300 328-1	5.2.4	Pass

3. EUT Description

The EUT: MIMO Wireless LAN ADSL2+Modem Router model AR-7064Mg+. in this reissued test report is originated from the model: A2MR listed in PEP Report No. E 951044. The use of this test report by EDIMAX TECHNOLOGY CO., LTD. is authorized by the original applicant. The following EUT configuration setup for test and the test result are both originated and copied from PEP Report No. E 951044.

(A) The EUT is MIMO Wireless LAN ADSL2+Modem Router model AR-7064Mg+. The EUT that contains four RJ-45 ports (one for WAN) can be used to connect client devices through wireless antenna or Ethernet interface and to share resources from xDSL/Cable modem. The operating fundamental frequency is 2.4 GHz~2.4835 GHz. SPS adaptor supplies EUT 9Vdc from ac mains. For more detail information about the EUT, please refer to the user's manual.

(B) Setup Method: According to the basic use of EUT, the EUT was setup by the following configuration steps for test.

(a) Connect EUT one RJ-45 Port to host PC LAN card on turntable.
(b) Connect EUT another RJ-45 port to remote PC.
(c) Plug the rest of EUT I/O ports by data cables.

All corresponding peripherals to PC I/O ports and EUT were set to proceed with test. The test was carried out on EUT worst-case operational condition. The worst-case test result was recorded and provided in this report.

4. Modification(s):

For more details about the modifications incorporated into EUT, please refer to EUT photographs listed in this report.

5. Test Software Used

(A) EMCTEST program that sends signal to every devices and continuously showing "H" pattern on monitor was used as the software.

(B) PING.EXE was the command executed to deliver signals between two PC via EUT during the test.

6. Support Equipment Used

1. Personal Computer (PC3) * 2	**CPU :** Intel P4 Socket 478 1.6GHz **FCC ID**：Declaration of Conformity(DoC) **Manufacturer**：LEMEL **Model Number**：LMIH1A2 **Power Supply**：Switching **Power Cord**：Non-Shielded, Detachable, 1.8m **Data Cable**： N/A
2. Monitor (MON1 15") * 2	**FCC ID**：Declaration of Conformity(DoC) **Manufacturer**：SAMSUNG **Model Number**：550S **Power Supply**：Switching **Power Cord**：Non-Shielded, Detachable, 1.8m **Data Cable**：**1 >** Shielded , Non-detachable,1.2m **2 >** Back Shell : Metal
3. Printer (PRN1)	**FCC ID**：B94C2642X **Manufacturer**：Hewlett-Packard **Model Number**：C2642E **Power Supply**：Linear, 30Vdc O/P **Power Cable**：Non-Shielded , Detachable,1.8m **Data Cable**：**1 >** Shielded , Detachable,1.2m **2 >** Back Shell : Metal
4. Modem (MOD1)	**FCC ID**：IFAXDM1414 **Manufacturer**：ACEEX **Model Number**：1414 **Power Supply**：Linear, 9Vac O/P **Power Cable**：Non-Shielded , Detachable,1.7m **Data Cable**：**1 >** Shielded , Detachable,1m **2 >** Back Shell : Metal

5. Keyboard (KBS1 PS/2) * 2

FCC ID：E5XKB5121WTH0110
Manufacturer：BTC
Model Number：5121W
Power Supply：+5Vdc from PS2 of PC
Power Cord：N/A
Data Cable：**1 >** Shielded , Non-detachable,1.6m
2 > Back Shell : Metal

6. Mouse (MOUS/1 PS/2) * 2

FCC ID：DZL211106
Manufacturer：LOGITECH
Model Number：M-S43
Power Supply：+5Vdc from PS2 of PC
Power Cord：N/A
Data Cable：**1 >** Shielded , Non-detachable,1.8m
2 > Back Shell : Metal

7. Effective Radiated Power Test

The effective radiated power is defined as the total power of the transmitter and is calculated according to the procedure given in clause 7.2.1. The effective radiated power shall be equal to or less than-10dBW (100mW) e.i.r.p. This limit shall apply for any combination of power level and intended antenna assembly.

See clause 6 for the test conditions; see clause 7.2.1 for the measurement method.

7.1 Test Result and Data

Model No : AR-7064Mg+

Test Mode : Transmitter ON

Duty Cycle of EUT : 100%

Humidity : 60 %RH

Temperture : 25 ℃

Test standard	Model No.	Result
ETSI EN 300 328-1 clause 5.2.1	AR-7064Mg+	PASS

Test Condition			**Transmitter peak Power (dBm)**			
Test Temperture	Test Voltage		CH 1 2.412 GHz	CH 7 2.442 GHz	CH 13 2.472 GHz	CH _____ _____GHz
Tnom (25°C)	Vnom (V)	230V	-15.31	-10.71	-13.29	
Tmin (0°C)	Vmin (V)	207V	-14.17	-8.76	-10.95	
	Vmax (V)	253V	-14.10	-8.87	-10.78	
Tmax (35°C)	Vmin (V)	207V	-15.40	-11.26	-13.17	
	Vmax (V)	253V	-15.60	-11.27	-13.20	

8. Peak Power Density Test

The peak power density is defined as the highest instantaneous level of power in Watts per Hertz generated by the transmitter within the power envelope. For equipment using FHSS modulation, the power density shall be limited to -10 dBW (100mW) per 100 kHz e.i.r.p. For equipment using other types of modulation, the peak power shall be limited to -20 dBW (10mW) per MHz e.i.r.p.

See clause 6 for the test conditions; see clause 7.2.2 for the measurement and calculation methods.

Test Result and Data

Test standard	Model No.	Result
ETSI EN 300 328-1 clause 5.2.2	AR-7064Mg+	PASS

Channel	Frequency (MHz)	RF Power (dBm / KHz)	Limit (dBm / KHz)	Result
1	2411.800	-35.279 / 1000	10 / 1000	PASS
7	2443.400	-32.799 / 1000	10 / 1000	PASS
13	2471.800	-33.479 / 1000	10 / 1000	PASS

9. Frequency Range Test

The frequency range of the equipment is determined by the lowest and highest frequencies occupied by the power envelope.

f_H is the highest frequency of the power envelope : it is the frequency furthest above the frequency of maximum power where the output power drops below the level of -80 dBm/Hz e.i.r.p. spectral power density (-30 dBm if measured in a 100 kHz bandwidth).

f_L is the lowest frequency of the power envelope; it is the frequency furthest below the frequency of maximum power where the output power drops below the level equivalent to -80 dBm/Hz e.i.r.p. spectral power density (or -30 dBm if measured in a 100 kHz bandwidth).

For a given operating frequency, the width of the power envelope is ($f_H - f_L$).In equipment that allows adjustment or selection of different operating frequencies, the power envelope takes up different positions in the allocated band. The frequency range is determined by the lowest value of f_L and the highest value of f_H resulting from the adjustment of the equipment to the lowest and highest operating frequencies.

For all equipment the frequency range shall lie within the band 2,4 GHz to 2,483 5 GHz ($f_L >$ 2,4 GHz and $f_H <$ 2,4835 GHz).

See clause 6 for the test conditions; see clauses 7.2.3 and 7.2.4 for the measurement methods.

9.1 Test Result and Data

Model No : AR-7064Mg+

Enviroment Humidity : 60%RH

Enviroment Temperture : 25 ℃

Test standard	Model No.	Result
ETSI EN 300 328-1 clause 5.2.3	AR-7064Mg+	PASS

CH1 2.412 GHz

Test Condition			Frequency (MHz)	
Test Temperture	Test Voltage		Lowest (-30dBm)	Highest (+30dBm)
Tnom (25°C)	Vnom (V)	230 V	F_L = 2401.80	F_H = 2422.44
Tmin (0°C)	Vmin (V)	207 V	F_L = 2401.80	F_H = 2422.44
	Vmax (V)	253 V	F_L = 2401.80	F_H = 2422.44
Tmax (35°C)	Vmin (V)	207 V	F_L = 2401.92	F_H = 2422.44
	Vmax (V)	253 V	F_L = 2401.92	F_H = 2422.44
Measurement frequency (Lowest & Highest)			F_L = 2401.80	F_H = 2422.44

CH13 2.472 GHz

Test Condition			Frequency (MHz)	
Test Temperture	Test Voltage		Lowest (-30dBm)	Highest (+30dBm)
Tnom (25°C)	Vnom (V)	230 V	F_L = 2461.80	F_H = 2482.32
Tmin (0°C)	Vmin (V)	207 V	F_L = 2461.80	F_H = 2482.32
	Vmax (V)	253 V	F_L = 2461.80	F_H = 2482.44
Tmax (35°C)	Vmin (V)	207 V	F_L = 2461.80	F_H = 2482.32
	Vmax (V)	253 V	F_L = 2461.80	F_H = 2482.32
Measurement frequency (Lowest & Highest)			F_L = 2461.80	F_H = 2482.44

10. Transmitter Spurious Emissions (Radiated)

The level of spurious emissions shall be measured as :

either :

a) their power in a specified load (conducted spurious emissions); and

b) their effective radiated power when radiated by the cabinet or structure of the equipment (cabinet radiation); or

c) their effective radiated power when radiated by cabinet and antenna.

10.1 Limit

Table 1 : Transmitter limits for narrowband spurious emissions

Frequency Range	Limit when operating	Limit when in standby
30 MHz to 1 GHz	-36 dBm	-57 dBm
Above 1 GHz to 12,75 GHz	-30 dBm	-47 dBm
1,8 GHz to 1,9 GHz 5,15 GHz to 5,3 GHz	-47 dBm	-47dBm

The above limit values apply to narrowband emissions, e.g. as caused by local oscillator leakage. The measurement bandwidth for such emissions may be as small as necessary to achieve a reliable measurement result.

Wideband emissions shall not exceed the values given in table 2.

Table 2 : Transmitter limits for wideband spurious emissions

Frequency Range	Limit when operating	Limit when in standby
30 MHz to 1 GHz	-86 dBm/Hz	-107 dBm/Hz
Above 1 GHz to 12,75 GHz	-80 dBm/Hz	-97 dBm/Hz
1,8 GHz to 1,9 GHz 5,15 GHz to 5,3 GHz	-97 dBm/Hz	-97dBm/Hz

See clause 6 for the test conditions; see clause 7.2.5 for the measurement methods.

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10.2 Radiated Disturbance Test Data

Model No. : **AR-7064Mg+**
Frequency range : **30MHz to 1GHz** **Detector** : **Peak Value**
Frequency range : **above 1GHz** **Detector** : **Peak Value**
Temperature : **27° C** **Humidity** : **58 %**
Memo : **Channel 1 (TX ON) 2.412GHz**

Antenna polarization : HORIZONTAL ; Test distance : 3m ;

Freq. (MHz)	Level (dB)	Over Limit (dB)	Limit Line (dB)	Read Level (dB)	Factor (dB)
151.250	23.83	-47.17	71	27.08	- 3.25
177.918	27.64	-43.36	71	32.82	- 5.18
194.987	25.46	-45.54	71	32.64	- 7.18
404.554	34.16	-36.84	71	36.63	- 2.47
458.129	31.02	-39.98	71	32.17	- 1.15
600.000	34.76	-36.24	71	32.46	2.30
1875.500	44.47	-15.53	60	48.18	- 3.71
4824.200	58.29	-18.71	77	53.59	4.70
5287.850	57.87	- 2.13	60	51.72	6.15
7237.000	65.00	-12.00	77	53.30	11.70

Note :

1. Level = Read Level + Factor
2. Over Limit = Level – Limit Line

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Model No. : **AR-7064Mg+**
Frequency range : **30MHz to 1GHz** **Detector** : **Peak Value**
Frequency range : **above 1GHz** **Detector** : **Peak Value**
Temperature : **27° C** **Humidity** : **58 %**
Memo : **Channel 1 (TX ON) 2.412 GHz**

Antenna polarization : VERTICAL ; Test distance : 3m ;

Freq. (MHz)	Level (dB)	Over Limit (dB)	Limit Line (dB)	Read Level (dB)	Factor (dB)
119.318	28.98	-42.02	71	35.34	- 6.36
151.303	33.86	-37.14	71	37.11	- 3.25
194.778	30.74	-40.26	71	37.92	- 7.18
211.927	30.08	-40.92	71	37.59	- 7.51
405.602	29.20	-41.80	71	31.63	- 2.43
585.953	29.35	-41.65	71	27.41	1.94
1885.400	44.53	-15.47	60	48.20	- 3.67
4824.000	54.98	-22.02	77	50.28	4.70
5236.850	57.70	- 2.30	60	51.66	6.04
7235.900	62.16	-14.84	77	50.46	11.70

Note :

1. Level = Read Level + Factor
2. Over Limit = Level – Limit Line

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Model No. : **AR-7064Mg+**
Frequency range : **30MHz to 1GHz** **Detector** : **Peak Value**
Frequency range : **above 1GHz** **Detector** : **Peak Value**
Temperature : **27° C** **Humidity** : **58 %**
Memo : **Channel 7 (TX ON) 2.442GHz**

Antenna polarization : HORIZONTAL ; Test distance : 3m ;

Freq. (MHz)	Level (dB)	Over Limit (dB)	Limit Line (dB)	Read Level (dB)	Factor (dB)
1884.200	44.41	-15.59	60	48.09	- 3.68
4884.300	60.23	-16.77	77	55.22	5.01
5283.650	57.65	- 2.35	60	51.50	6.15
7326.600	68.83	- 8.17	77	57.19	11.64

Note :

1. Level = Read Level + Factor
2. Over Limit = Level – Limit Line

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Model No. :AR-7064Mg+
Frequency range : 30MHz to 1GHz Detector : Peak Value
Frequency range : above 1GHz Detector : Peak Value
Temperature : 27° C Humidity : 58 %
Memo : Channel 7 (TX ON) 2.442GHz

Antenna polarization : VERTICAL ; Test distance : 3m ;

Freq. (MHz)	Level (dB)	Over Limit (dB)	Limit Line (dB)	Read Level (dB)	Factor (dB)
1848.300	44.06	-15.94	60	47.94	- 3.88
4884.300	55.75	-21.25	77	50.74	5.01
5295.050	57.74	- 2.26	60	51.57	6.17
7326.000	62.25	-14.75	77	50.61	11.64

Note :

1. Level = Read Level + Factor
2. Over Limit = Level – Limit Line

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Model No. :**AR-7064Mg+**
Frequency range : **30MHz to 1GHz** **Detector** : **Peak Value**
Frequency range : **above 1GHz** **Detector** : **Peak Value**
Temperature : **27° C** **Humidity** : **58 %**
Memo : **Channel 13 (TX ON) 2.472GHz**

Antenna polarization : HORIZONTAL ; Test distance : 3m ;

Freq. (MHz)	Level (dB)	Over Limit (dB)	Limit Line (dB)	Read Level (dB)	Factor (dB)
1887.500	45.39	-14.61	60	49.05	- 3.66
4944.200	63.19	-13.81	77	57.90	5.29
5210.450	57.59	- 2.41	60	51.60	5.99
7420.200	69.91	- 7.39	77	58.06	11.55

Note :

1. Level = Read Level + Factor
2. Over Limit = Level – Limit Line

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Model No. :AR-7064Mg+
Frequency range : 30MHz to 1GHz Detector : Peak Value
Frequency range : above 1GHz Detector : Peak Value
Temperature : 27° C Humidity : 58 %
Memo : Channel 13 (TX ON) 2.472GHz

Antenna polarization : VERTICAL ; Test distance : 3m ;

Freq. (MHz)	Level (dB)	Over Limit (dB)	Limit Line (dB)	Read Level (dB)	Factor (dB)
1899.000	43.861	-16.14	60	47.49	- 3.63
4944.300	56.11	-20.89	77	50.82	5.29
5296.700	57.79	- 2.21	60	51.62	6.17
7415.800	63.81	-13.19	77	52.25	11.56

Note :

1. Level = Read Level + Factor
2. Over Limit = Level – Limit Line

11. Receiver Spurious Emissions (Radiated)

The level of the spurious emission shall be measured as:

either:

a) their power in a specified load (conducted spurious emissions); and

b) their effective radiated power when radiated by the cabinet or the structure of the equipment (cabinet radiation); or

c) their effective radiated power when radiated by cabinet and antenna.

11.1 Limit

Table 3 : Receiver limits for narrowband spurious emissions

Frequency Range	Limit
30 MHz to 1 GHz	-57 dBm
Above 1 GHz to 12,75 GHz	-47 dBm

The above limit values apply to narrowband emissions, e.g. as caused by local oscillator leakage. The measurement bandwidth for such emissions may be as small as necessary to achieve a reliable measurement result.

Wideband emissions shall not exceed the values given in table 4.

Table 4 : Receiver limits for wideband spurious emissions

Frequency Range	Limit
30 MHz to 1 GHz	-107 dBm/Hz
Above 1 GHz to 12,75 GHz	-97 dBm/Hz

See clause 6 for the test conditions; see clause 7.3 for the measurement methods.

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11.2 Radiated Disturbance Test Data

Model No. : AR-7064Mg+
Frequency range : 30MHz to 1GHz Detector : Peak Value
Frequency range : above 1GHz Detector : Peak Value
Temperature : 27° C Humidity : 58 %
Memo : Channel 1 (RX ON) 2.412GHz

Antenna polarization : HORIZONTAL ; Test distance : 3m ;

Freq. (MHz)	Level (dB)	Over Limit (dB)	Limit Line (dB)	Read Level (dB)	Factor (dB)
106.140	45.18	- 4.82	50	41.85	3.33
300.000	46.09	- 3.91	50	39.51	6.58
335.000	47.24	- 2.76	50	14.82	0.79
374.200	44.88	- 5.12	50	38.83	6.05
470.100	47.23	- 2.77	50	41.38	5.85
707.400	49.14	- 0.86	50	41.30	7.84
4824.200	38.87	-21.13	60	34.17	4.70

Note :

1. Level = Read Level + Antenna Factor
2. Over Limit = Level – Limit Line

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Model No. : AR-7064Mg+
Frequency range : 30MHz to 1GHz Detector : Peak Value
Frequency range : above 1GHz Detector : Peak Value
Temperature : 27° C Humidity : 58 %
Memo : Channel 1 (RX ON) 2.412GHz

Antenna polarization : VERTICAL ; Test distance : 3m ;

Freq. (MHz)	Level (dB)	Over Limit (dB)	Limit Line (dB)	Read Level (dB)	Factor (dB)
300.000	45.06	- 4.94	50	38.49	6.58
352.500	43.08	- 6.92	50	39.90	3.18
374.200	42.90	- 7.10	50	36.85	6.05
470.100	44.38	- 5.62	50	38.53	5.85
587.700	42.82	- 7.18	50	36.39	6.43
707.400	44.29	- 5.71	50	36.45	7.84
4824.000	38.28	-21.72	60	33.58	4.70

Note :

1. Level = Read Level + Factor
2. Over Limit = Level – Limit Line

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Model No. : **AR-7064Mg+**
Frequency range : **30MHz to 1GHz** **Detector** : **Peak Value**
Frequency range : **above 1GHz** **Detector** : **Peak Value**
Temperature : **27° C** **Humidity** : **58 %**
Memo : **Channel 7 (RX ON) 2.442GHz**

Antenna polarization : HORIZONTAL ; Test distance : 3m ;

Freq. (MHz)	Level (dB)	Over Limit (dB)	Limit Line (dB)	Read Level (dB)	Factor (dB)
4884.000	38.91	-21.09	60	33.91	5.00

Note :

1. Level = Read Level + Factor
2. Over Limit = Level – Limit Line

PEP Testing Laboratory
12-3Fl, No. 27-1, Lane 169, Kang-Ning St., Hsi-Chih,
Taipei Hsien, Taiwan, R. O. C.
TEL: 886-2-26922097 FAX: 886-2-26956236

Model No. : AR-7064Mg+
Frequency range : 30MHz to 1GHz Detector : Peak Value
Frequency range : above 1GHz Detector : Peak Value
Temperature : 27° C Humidity : 58 %
Memo : Channel 7 (RX ON) 2.442GHz

Antenna polarization : VERTICAL ; Test distance : 3m ;

Freq. (MHz)	Level (dB)	Over Limit (dB)	Limit Line (dB)	Read Level (dB)	Factor (dB)
4884.200	39.27	-20.73	60	34.26	5.00

Note :

1. Level = Read Level + Factor
2. Over Limit = Level – Limit Line

Model No. : AR-7064Mg+
Frequency range : 30MHz to 1GHz Detector : Peak Value
Frequency range : above 1GHz Detector : Peak Value
Temperature : 27° C Humidity : 58 %
Memo : Channel 13 (RX ON) 2.472GHz

Antenna polarization : HORIZONTAL ; Test distance : 3m ;

Freq. (MHz)	Level (dB)	Over Limit (dB)	Limit Line (dB)	Read Level (dB)	Factor (dB)
4944.100	38.45	-21.55	60	33.16	5.29

Note :

1. Level = Read Level + Factor
2. Over Limit = Level – Limit Line

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Model No. : AR-7064Mg+
Frequency range : 30MHz to 1GHz Detector : Peak Value
Frequency range : above 1GHz Detector : Peak Value
Temperature : 27° C Humidity : 58 %
Memo : Channel 13 (RX ON) 2.472GHz

Antenna polarization : VERTICAL ; Test distance : 3m ;

Freq. (MHz)	Level (dB)	Over Limit (dB)	Limit Line (dB)	Read Level (dB)	Factor (dB)
4944.700	39.82	-20.18	60	34.53	5.29

Note :

1. Level = Read Level + Factor
2. Over Limit = Level – Limit Line

12. Annex 1 Photos of Test Configuration

< FRONT VIEW >

< REAR VIEW >

13. Annex 2 Photographs of EUT

MODEL NO. : AR-7064Mg+

14. Annex 3 List of Test Instruments

Instrument	Model No.	Serial No.	Next Cal. Date	Cal. Interval
R & S Receiver	ESHS10	830223/008	May 21, 2006	1Year
Spectrum Analyzer	R3261A	91720076	June 07, 2006	1Year
R & S LISN	ESH3-Z5	844982/039	Aug. 05, 2006	1Year
Rolf Heine LISN	NNB-4/63TL	98008	Apr. 30, 2007	1Year
R & S Receiver	ESBI	845658/003	July 27, 2006	1Year
COM-Power Horn Ant.	AH-118 (1G-18GHz)	10095	July 23, 2006	1Year
EMCO ANTENNA	3142B	9909-1420	July 01, 2006	1Year
Schaffner Antenna	CBL6112B (30M-2GHz)	2655	July 24, 2006	1Year
R & S Pre-Amp.	ESMI-Z7 (20M-7GHz)	612278/011	July 30, 2006	1Year
Anritsu Pre-Amp.	MH648A	M15080	Apr. 08, 2007	1Year
Schmidt DC Power	EPS-3030SD (DC 0-30V)	E010001	Sep. 03, 2006	2 year
Giant Force Humidity Chamber	GTH-225-20-S	MAB0103 -001	Feb. 26, 2007	1 year
R&S Spectrum	FSP7 (9K—7GHz)	8301801006	May 10, 2006	1 year
COM-power Horn Ant.	AH-118	10056	Aug. 21, 2006	1 year
MITEQ Pre-Amp.	JS4-00101800-28-5A	829013	July 22, 2006	1 year

VERIFICATION

of Conformity for CE Marking with European EMC / R&TTE Directives

PEP Test Report No. E951044(A)

Document holder: **EDIMAX TECHNOLOGY CO., LTD.**

Type of equipment: **MIMO Wireless LAN ADSL2+Modem Router**

Type designation: **AR-7064Mg+**

The subject equipment has been tested for CE Marking according to the Harmonised Standards which have been published in the Official Journal of the European Communities as below:

1) The EMC Directives of 89/336/EEC, 92/31/EEC and 93/68/EEC;
2) The R&TTE Directive 1999/5/EC

Technical and Test Standard(s) used for showing compliance with the essential requirements of the directive:

ETSI EN 300328-1 : 2001

The referred test report(s) show that the EUT fulfills the requirements of its Harmonised Standards specified in the EMC and R&TTE Directives for CE marking. On this basis, together with the manufacturer's own documented production control system and/or technical data, the manufacturer (or his European authorized representative) can use his own EC Declaration of Conformity for showing compliance with the EMC and R&TTE Directives.

Signed for and on behalf of
PEP Testing Laboratory

PEP Testing Laboratory PEP Testing Laboratory

M. Y. Tsui

Date: MAY 05, 2006

M. Y. Tsui / President

Declaration of Conformity for CE Marking

The following

Applicant	:	**EDIMAX TECHNOLOGY CO., LTD.**
Equipment	:	**MIMO Wireless LAN ADSL2+Modem Router**
Model No.	:	**AR-7064Mg**
Report No.	:	**E951044(A)**

is herewith confirmed to comply with the requirements of its Harmonised Standards for CE Marking which have been set out in the Council Directive, and published as below:

1) The EMC Directives of 89/336/EEC, 92/31/EEC and 93/68/EEC;
2) The R&TTE Directive 1999/5/EC

For the evaluation of above mentioned Harmonised Standards, the following technical and test standards were applied:

ETSI EN 300328-1 : 2001

The following manufacturer is responsible for this declaration:

EDIMAX TECHNOLOGY CO., LTD.

NO. 3, WU CHUAN 3RD ROAD, WU-KU INDUSTRIAL PARK,
TAIPEI HSIEN,
TAIWAN, R. O. C.

TAIWAN / MAY 05, 2006
Place and Date

Signature of responsible Person